# Outback® 145

**Processes**
Stick

**Product Number**
K2707-2

*See back for complete specs*

<table>
<thead>
<tr>
<th>Output Range</th>
<th>Number of Cylinders</th>
</tr>
</thead>
<tbody>
<tr>
<td>50-145A DC Welding</td>
<td>1</td>
</tr>
<tr>
<td>4,750 Watts Peak AC Generator</td>
<td></td>
</tr>
<tr>
<td>4,250 Watts Continuous AC Generator</td>
<td></td>
</tr>
<tr>
<td>Rated Output - Current/Voltage/Duty Cycle</td>
<td></td>
</tr>
<tr>
<td>125A DC/25V/30%</td>
<td></td>
</tr>
<tr>
<td>100A DC/25V/60%</td>
<td></td>
</tr>
<tr>
<td>80A DC/25V/100%</td>
<td></td>
</tr>
</tbody>
</table>

**Built For The Outdoors!™**
It’s great for service trucks, fence contractors, maintenance crews, farmers, ranchers and anyone who needs portable DC stick welding and AC generator power!

**FEATURES**
- Low-Lift™ Grab Bars (Patent Pending)
  - More leverage for lifting unit on and off truck beds.
  - Extra protection against product damage.
  - Best in class feature!
- 1-1/4 in. (32 mm) Diameter Rugged Tube Frame
  - Great for all-around sturdy protection.
  - Largest diameter tube frame in its class!
  - Best in class feature!
- 6.8 Gallon (25.7 Liter) Fuel Tank
  - For extended run times, less frequent re-fueling.
  - Large fuel fill opening for easy re-fueling too.
  - Best in class feature!
- DC Welding with up to 1/8 in. (3.2 mm) Stick Electrode
  - Up to 145 amps of DC output for many applications.
- 4,750 Watts Peak (4,250 Watts Continuous) AC Generator Power
  - Many uses! Grinder, work lights, pump, motor starting, or emergency power.
  - Plug in a Lincoln® POWER MIG® 140C or POWER MIG® 180C for wire welding!

**APPLICATIONS**
- Contractors
- Maintenance and Repair
- Ranch/Farm

**Powered By:**
KOHLER

Two Year Extended Warranty Available in U.S. and Canada
**ARC PERFORMANCE**

- Up to 145 amps of smooth DC welding output for welding steel, stainless steel, cast iron or hardfacing projects with up to 1/8 in. (3.2 mm) stick electrode. Choose from a broad range of electrodes including Lincoln Electric Excalibur® 7018 (AWS E7018) and Fleetweld® 5F+ (AWS E6010).

- Single, full range calibrated welding output dial makes it simple to dial in the ideal amperage for your repair, maintenance or fabrication project. Dial also includes operating ranges for 3/32 in. (2.4 mm) and 1/8 in. (3.2 mm) electrode.

**AC GENERATOR PERFORMANCE**

- Delivers up to 17.7 amps continuous power from the 240V AC receptacle, and up to 35.4 amps continuous power from the two 120V AC duplex receptacles.

- Plug in a low-cost Lincoln Electric POWER MIG® 140C or POWER MIG® 180C compact wire feeder welder directly to an Outback® 145 (no adapters needed) for high-productivity wire welding. Weld with flux-cored or MIG wire on steel and stainless steel. Weld with MIG wire on aluminum.

- All outlets are circuit breaker protected.

- Optional GFCI (Ground Fault Circuit Interrupter) Kit available for additional protection from electric shock.

- Low-Lift™ grab bars provide more leverage compared to competitive equipment for lifting the Outback® 145 on and off truck beds and other high surfaces. Grab bars also provide extra protection against product damage.

- 1-1/4 in. (32 mm) diameter rugged tube has holes in base cross members for easy truck mounting.

**FEATURES**

- Kohler® 8.9 HP Model CH395 OHV (overhead valve) gasoline engine with:
  - Cast iron cylinder liner for long engine life.
  - Automatic shutdown for low oil level.
  - 3 Year Kohler® engine warranty.

- Easy to maintain engine with oil changes only every 100 hours. No oil filter to change.

- Hour meter on control panel to monitor run time for scheduled engine maintenance.

- Noise at rated load:
  - 101 dB Sound Power (Lwa)
  - 76.2 dBA Sound Level at 23 ft. (7 m)

- Combination muffler/spark arrestor virtually eliminates spark emissions.

**QUALITY AND RELIABILITY**

- Welding and AC Generator Outputs Rated at 104°F (40°C).

- Dependability and long life aided by all-copper windings in rotor and stator with high quality insulation.

- Red and black powder paint finish offers increased durability with added protection from rust and corrosion. Also ultraviolet resistant to better retain color and gloss.

- Manufactured under a quality system certified to ISO 9001 requirements.

- This equipment meets U.S. EPA EVAP standards for reduced emissions of gasoline vapor.

- Canadian Standards Association (CSA) certified.

- Three-year Lincoln Electric warranty on parts and labor (engine is warranted separately by the manufacturer).
### ENGINE SPECIFICATIONS

<table>
<thead>
<tr>
<th>Engine Model</th>
<th>Description</th>
<th>Horsepower &amp; Displacement</th>
<th>Ignition</th>
<th>Capacities</th>
<th>Operating Speeds</th>
<th>Fuel Consumption</th>
</tr>
</thead>
<tbody>
<tr>
<td>Kohler® CH395 (4)</td>
<td>1 Cylinder, 4 Cycle, Overhead Valve Air Cooled, Gasoline Engine Aluminum Alloy, Cast Iron Liner</td>
<td>8.9 HP @ 3,600 RPM (5) 16.9 cu in (277 cc)</td>
<td>Manual Recoil Start, with Automatic Compression Release; Manual Choke; On/Off Switch</td>
<td>FUEL: 6.8 Gals (25.7 Ltrs)</td>
<td>FULL LOAD: 3,600 RPM</td>
<td>0.82 Gals./Hr 3.10 Ltrs./Hr</td>
</tr>
</tbody>
</table>

(4) Kohler® warranty is three years.
(5) Kohler® also rates this engine at 9.5 HP @ 4,000 RPM.
(6) Continuous AC generator power.

### MACHINE SPECIFICATIONS

<table>
<thead>
<tr>
<th>Product Name</th>
<th>Ordering Information</th>
<th>Description</th>
<th>CC Rated Output Current/Voltage/Duty Cycle</th>
<th>Generator AC Power (r)</th>
<th>Dimensions H x W x L (inches (mm))</th>
<th>Weight lbs. (kg)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Outback® 145</td>
<td>K2707-2</td>
<td>145 Amp DC Arc Welder with 4,750 Watts Peak 4,250 Watts Continuous AC Power</td>
<td>DC Constant Current 80A DC/25V/100% 100A DC/25V/60% 125A DC/25V/30% Current Range 50-145 A Max. OCV@ 3750 RPM 80V DC</td>
<td>4,750 Watts Peak 4,250 Continuous 60 Hz, 120V/240V AC (r) Single Phase 100% Duty Cycle 120V Duplex Receptacles 20 Amps Each 35.4 Amps Total (r) 240V Receptacle 17.7 Amps</td>
<td>25.6 x 21.8 x 31.5 (651 x 553 x 800)</td>
<td>234 (106)</td>
</tr>
</tbody>
</table>

(1) When welding, available auxiliary power will be reduced.
(2) 120V will operate either 60 Hz or 50/60 Hz power tools, lights, etc.
(3) Circuits cannot be wired in parallel to operate the same device.

### KEY CONTROLS

1. Engine Hour Meter
2. Output Control Dial
3. 120 Volt AC Receptacles (NEMA 5-20R)
4. Circuit Breaker
5. 240 Volt AC Receptacle (NEMA 6-50R)
6. Output Studs
7. Grounding Stud
CUSTOMER ASSISTANCE POLICY

The business of The Lincoln Electric Company is manufacturing and selling high quality welding equipment, consumables, and cutting equipment. Our challenge is to meet the needs of our customers and to exceed their expectations. On occasion, purchasers may ask Lincoln Electric for information or advice about their use of our products. Our employees respond to inquiries to the best of their ability based on information provided to them by the customers and the knowledge they may have concerning the application. Our employees, however, are not in a position to verify the information provided or to evaluate the engineering requirements for the particular weldment. Accordingly, Lincoln Electric does not warrant or guarantee or assume any liability with respect to such information or advice. Morever, the provision of such information or advice does not create, expand, or alter any warranty on our products. Any express or implied warranty that might arise from the information or advice, including any implied warranty of merchantability or any warranty of fitness for any customers’ particular purpose is specifically disclaimed.

Lincoln Electric is a responsive manufacturer, but the selection and use of specific products sold by Lincoln Electric is solely within the control of, and remains the sole responsibility of the customer. Many variables beyond the control of Lincoln Electric affect the results obtained in applying these types of fabrication methods and service requirements.

Subject to Change – This information is accurate to the best of our knowledge at the time of printing. Please refer to www.lincolnelectric.com for any updated information.

**PRODUCT SPECIFICATIONS**

<table>
<thead>
<tr>
<th>Product Name</th>
<th>Product Number</th>
<th>Rated Output</th>
<th>Output Range</th>
<th>Engine Model</th>
<th>Number of Cylinders</th>
<th>HP@ Speed (RPM)</th>
<th>Dimensions H x W x D inches (mm)</th>
<th>Net Weight lbs. (kg)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Outback® 145</td>
<td>K2707-2</td>
<td>80A DC/25V/100%</td>
<td>50-145 DC</td>
<td>Kohler® CH395</td>
<td>1</td>
<td>8.9 @ 3,600</td>
<td>25.6 x 21.8 x 31.5 (651 x 553 x 800)</td>
<td>234 (106)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>100A DC/25V/80%</td>
<td>4,750 Watts Peak</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>125A DC/25V/30%</td>
<td>4,250 Watts Continuous</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>


**RECOMMENDED ACCESSORIES**

**GENERAL OPTIONS**

Accessory Kit
For stick welding. Includes 20 ft. (6.1 m) #6 electrode cable with lug, 15 ft. (4.6 m) #6 work cable with lugs, headshield, filter plate, work clamp, electrode holder and sample pack of mild steel electrode. 150 amp capacity. Order K2705

Undercarriage
Puncture-proof (foam filled) tires for easy transport and durability. Fold down handles for easy storage when not needed, and convenient holders for wrapping welding output cables. Order K2722-1

Lift Bail Kit
Easily installed kit for lifting the machine with a fixed lifting point. Order K2819-1

Canvas Cover
To protect the Outback® 145 when not in use. Made from attractive red canvas material that is flame retardant, mildew resistant and water repellent. Order K2804-1

GFCI Receptacle Kit
Includes one UL approved 120V ground fault circuit interrupter duplex type receptacle and installation instructions. Replaces the factory-installed 120V duplex receptacle. Each receptacle of the GFCI duplex is rated at 20 amps. Maximum total current from the GFCI duplex is limited to 20 amps. 2 kits required. Order K1690-1

**POWER MIG® 180C**
Premium compact wire welder with continuous voltage control for MIG and flux-cored welding. (Maximum output is not available, as current input from the AC generator is limited.) Add the K2532-1 Magnum® 100SG Spool Gun for aluminum MIG welding. Order K2473-2

Magnum® 100SG Spool Gun
Designed to easily feed 4 in. (102 mm) diameter 1 lb. (0.45 kg) spools of .030 in. (0.8 mm) or .035 in. (0.9 mm) diameter SuperGlaze® aluminum MIG wire. Includes gun, adapter kit, .035 in. (0.9 mm) contact tips (qty. 3), gas nozzle, and a 1 lb. (0.45 kg) spool of SuperGlaze® 4043 .035 in. (0.9 mm) MIG wire. Packaged in a convenient carrying case. (Requires POWER MIG® 140C or 180C) Order K3269-1

**WIRE FEEDER OPTIONS**

POWER MIG® 140C
Premium compact wire welder with continuous voltage control for MIG and flux-cored welding. (Maximum output is not available, as current input from the AC generator is limited.) Add the K2532-1 Magnum® 100SG Spool Gun for aluminum MIG welding. Order K2471-1